

GRAVEL MINING APPLICANT/OPERATOR:

AGGREGATE INDUSTRIES-WCR, INC.
1687 COLE BLVD, STE 300
GOLDEN, COLORADO 80401

SURFACE OWNERS:

AGGREGATE INDUSTRIES-WCR, INC.(TRACTS A, B, D, E, F, H, AND M)
1687 COLE BLVD, STE 300
GOLDEN, COLORADO 80401

CITY OF AURORA (TRACTS C, G, K AND N)
15151 EAST ALAMEDA PARKWAY, STE 3600
AURORA, COLORADO 80012

ADAMS COUNTY (TRACTS L & O)
ADAMS COUNTY GOVERNMENT CENTER
4430 SOUTH ADAMS COUNTY PARKWAY
BRIGHTON, COLORADO 80601

YOSHI & SUZU, LLP (TRACTS P & Q)
PO BOX 508
BRIGHTON, CO 80601

DOROTHY STRUCK (TRACT R)
507 COUNTY ROAD 23.5
BRIGHTON, COLORADO 80603

TOBY STRUCK (TRACT S)
527 COUNTY ROAD 23.5
BRIGHTON, COLORADO 80603

RECLAMATION AREA ACREAGE TABLE:

RECLAMATION PLAN AREAS	ACREAGES
MINING AREAS RECLAIMED TO WATER STORAGE	155.8
DISTURBED, BUT NOT MINED LAND RECLAIMED TO UPLAND MEADOW	75.3
DISTURBED, BUT NOT MINED LAND RECLAIMED TO AGRICULTURAL	4.5
UNDISTURBED AREAS OUTSIDE AFFECTED AREA	49.0
TUCSON STREET ROW	2.9
E 168 AVE ROW	0.1
TOTAL	287.6

TREE TABLE:

Common Name	Botanical Name	Planting Size	Quantity
Plains Cottonwood	Populus deltoides	10 gallon	36
American Plum	Prunus americana	1 gallon	40
Choke Cherry	Prunus virginiana	1 gallon	40
Western Sand Cherry	Prunus besseyi	1 gallon	40
Coyote willow	Salix exigua	1 gallon	40

SEED MIX AND SEED MIX NOTES:

Upland Meadow Grass Seed	Scientific Name	Variety	% of Mix	Application Rate (PLS/acre)
Big Bluestem	Andropogon gerardii	Kaw	15%	1.7
Blue Grama	Bouteloua gracilis	Hachita, Lovington	10%	0.3
Green Needlegrass	Nassella viridula	Lodoni	15%	1.5
Sideoats Grama	Bouteloua curtipendula	Vaughn, Butte	10%	1.0
Switch grass	Panicum virgatum	Blackwell	20%	2.0
Western Wheatgrass	Pascopyrum smithii	Arriba, Barton	30%	4.8
				Total 11.3

*Application rate is for drill seeding. If seed is to be broadcast, the application rate will be doubled.

Temporary Stockpile Vegetation:
Luna Pubescent Wheatgrass- 15 lb./ac
Amur Intermediate Wheatgrass - 15 lb./ac

TUCSON SOUTH RESOURCE
RECLAMATION PLAN MAPS

TUCSON SOUTH RESOURCE SHEET INDEX	
SHEET NUMBER	SHEET TITLE
F-1	EXHIBIT F COVER SHEET & RECLAMATION NOTES
F-2	EXHIBIT F WEST AREA RECLAMATION PLAN
F-3	EXHIBIT F EAST AREA RECLAMATION PLAN
F-4	WELD COUNTY CONVEYOR RECLAMATION PLAN

CERTIFICATION:

THIS MAP WAS PREPARED BY CIVIL RESOURCES, LLC. IN COOPERATION WITH AGGREGATE INDUSTRIES-WCR, INC. AGGREGATE INDUSTRIES-WCR, INC. WILL KEEP THE DIVISION OF RECLAMATION, MINING, AND SAFETY INFORMED OF ANY CHANGES TO THE MINING OR RECLAMATION PLANS THROUGH ANNUAL REPORTS AND FILE TECHNICAL REVISIONS OR AMENDMENT APPLICATIONS AS NECESSARY THROUGHOUT THE LIFE OF THE MINE.

Gary Linden 12/01/2021
GARY LINDEN DATE

RECLAMATION NOTES

- ALL FINAL RECLAIMED RESERVOIR SIDE SLOPES SHALL BE NO STEEPER THAN 3H:1V. 6"-12" OF TOPSOIL WILL BE PLACED ON ALL SLOPES ABOVE THE ASSUMED HIGH-WATER LINE. RE-VEGETATION SHALL USE SEED MIXES LISTED IN TABLE BELOW, OR SIMILAR ALTERNATE MIX BASED ON COMMERCIAL AVAILABILITY AT THE TIME OF RECLAMATION. ALL SUBSTITUTIONS WILL BE DETERMINED IN CONSULTATION WITH QUALIFIED EXPERTS, AND APPROPRIATE TO THE REGION AND SOIL REGIME.
- HIGH WATER LINE IS APPROXIMATE BASED ON AN ASSUMED 1' FREEBOARD.
- AREAS TO BE RECLAIMED AS UPLAND WILL RECEIVE A MINIMUM OF 6"-12" TOPSOIL TO BETTER ESTABLISH GRASSES AND PLANTINGS.
- PLANTINGS WILL BE INSTALLED WHEN MINING COMMENCES IN THE EAST CELL (PHASE 2). PLANTINGS WILL BE INSTALLED BY A RECLAMATION CONTRACTOR IN SEPT AND HAND WATERED UNTIL THE GROUND FREEZES. PLANTINGS WILL BE MONITORED IN THE SPRING TO MAKE SURE THEY ARE LEAFING OUT, REPLACED AS NECESSARY TO PROVIDE THE QUANTITIES AS ORIGINALLY INSTALLED AND WATERED AS NECESSARY THROUGH THE FIRST THREE GROWING SEASONS TO ESTABLISH.
- AT RECLAMATION, AGGREGATE INDUSTRIES-WCR., INC. WILL ATTAIN MHFD APPROVAL OF PLANTING LOCATIONS WITHIN THE MHFD EASEMENT ALONG THE SOUTH PLATTE RIVER PRIOR TO INSTALLATION.
- SEEDING WILL BE DONE DURING THE FIRST FAVORABLE SEEDING SEASON FOLLOWING TOPSOIL PLACEMENT. BASED ON RECOMMENDATION OF THE NRCS, IT IS ANTICIPATED THAT SEEDING WILL BE DONE BETWEEN OCT 15 AND MAY 1, UNLESS WEATHER CONDITIONS REQUIRE SEEDING OUTSIDE THESE MONTHS.
- CERTIFIED WEED-FREE STRAW CRIMPED INTO TOPSOIL WILL BE USED WHERE GRASSES ARE TO BE ESTABLISHED ABOVE THE HIGH-WATER LINE ON RESERVOIR SIDE SLOPES, OR NEW SEEDS PLANTED INTO A COVER CROP.



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GOLDEN, COLORADO 80401
303-648-1175(P)

TUCSON SOUTH RESOURCE
EXHIBIT F
RECLAMATION PLAN

REVISIONS		
NO.	DESCRIPTION	DATE
1	PRELIM ADEQUACY	12/01/21

DRAWN BY: CAL DATE: AUGUST 21
CHECKED BY: GL SCALE: AS NOTED
AS NOTED

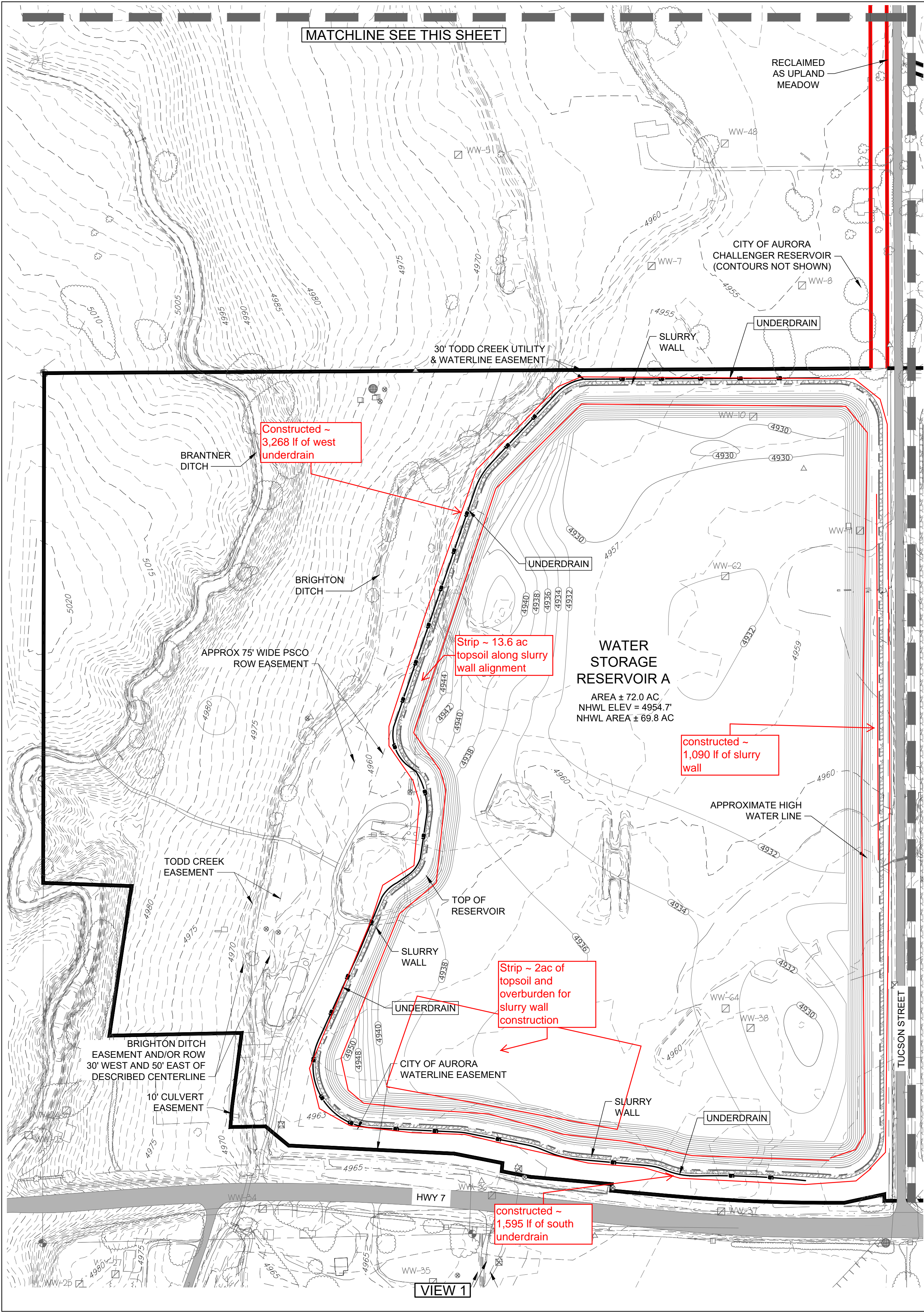
JOB NO.: 297.001.09
DWG NAME: F-1 EXHIBIT F EAST AREA RECLAMATION PLAN.dwg

EXHIBIT F COVER
SHEET &
RECLAMATION
NOTES

SHEET:

F-1



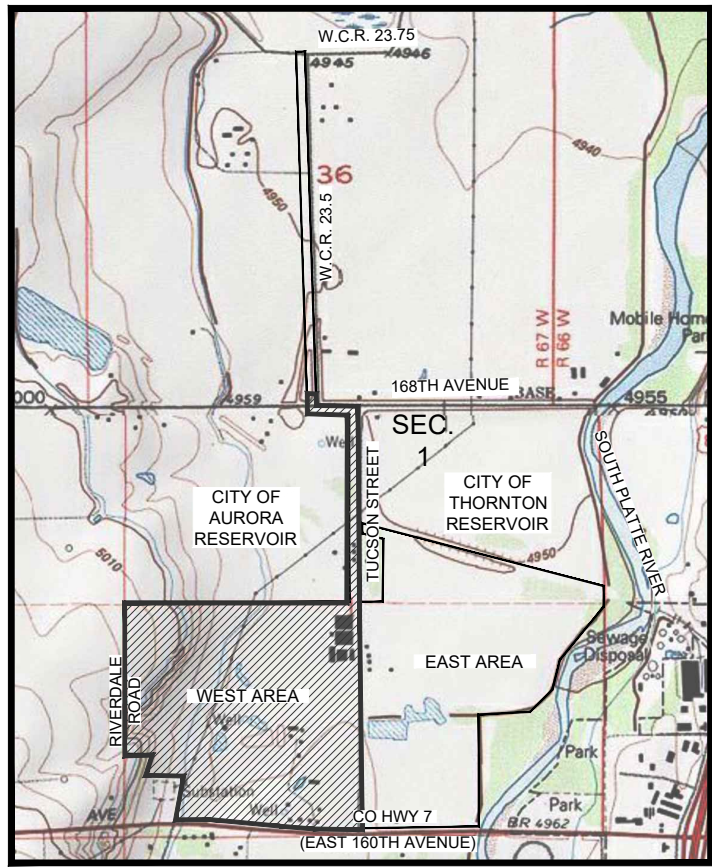
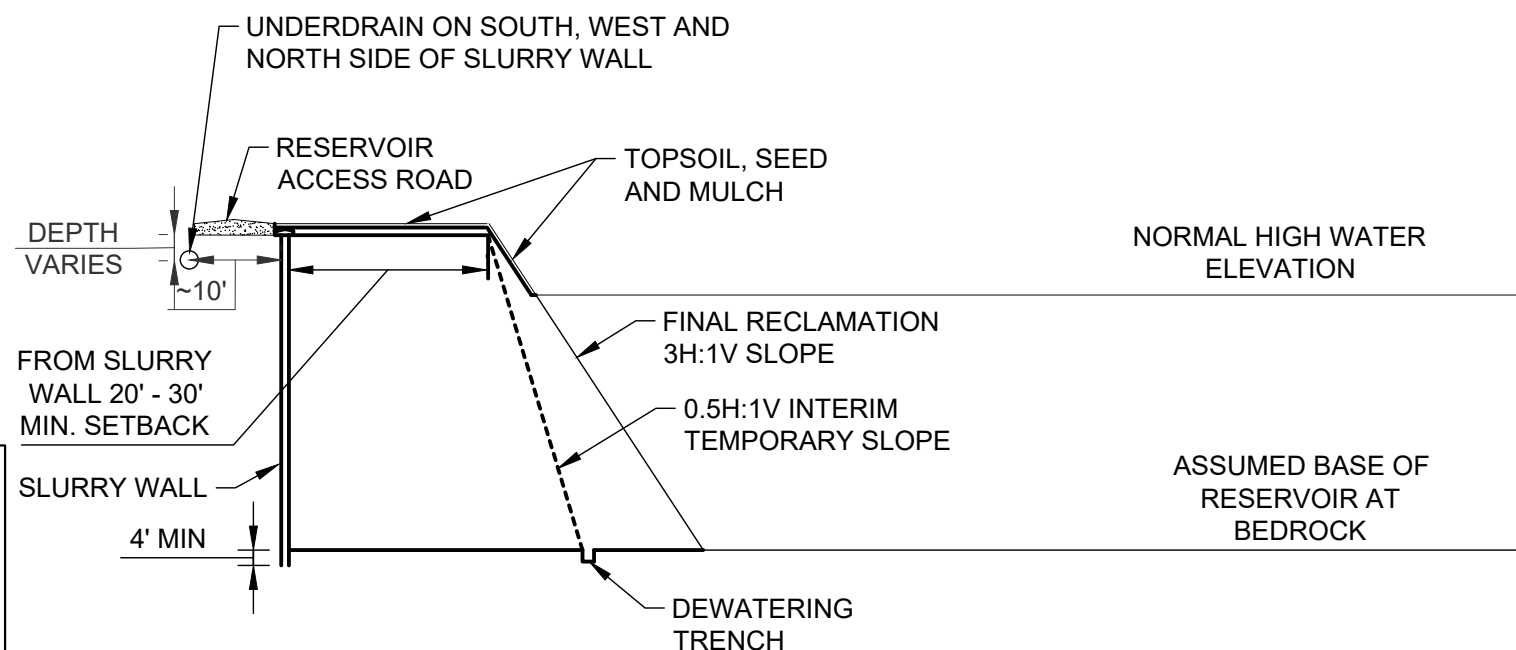


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GARY LINDEN

12/01/2021
DATE



LEGEND:

- MINE PERMIT BOUNDARY
- TRACT BOUNDARY
- EFFECTIVE FLOODWAY
- EFFECTIVE ZONE AE
- EFFECTIVE ZONE X
- PRE-PROJECT/MINING CONDITIONS 100-YR FLOODPLAIN
- EXISTING EDGE OF WATER
- EXISTING 2' CONTOURS
- EXISTING FENCE
- EXISTING EDGE OF ROAD
- EXISTING ELECTRIC LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING TELEPHONE LINE
- PROPOSED UNDERDRAIN
- PROPOSED SLURRY WALL
- PROPOSED 2' CONTOURS
- RESERVOIR ACCESS ROAD
- EXISTING ASPHALT ROAD
- EXISTING SOUTH PLATTE RIVER
- RESERVOIR ACCESS ROAD
- NHWL
- NORMAL HIGH WATER LINE



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TUCSON SOUTH RESOURCE
EXHIBIT F WEST AREA
RECLAMATION PLAN

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1	PRELIM ADEQUACY	12/01/21

DRAWN BY: CAL DATE: AUGUST 21
CHECKED BY: GL SCALE: AS NOTED
AS NOTED
JOB NO.: 297.001.09
DWG NAME: F-3 EXHIBIT F EAST AREA RECLAMATION PLAN.dwg

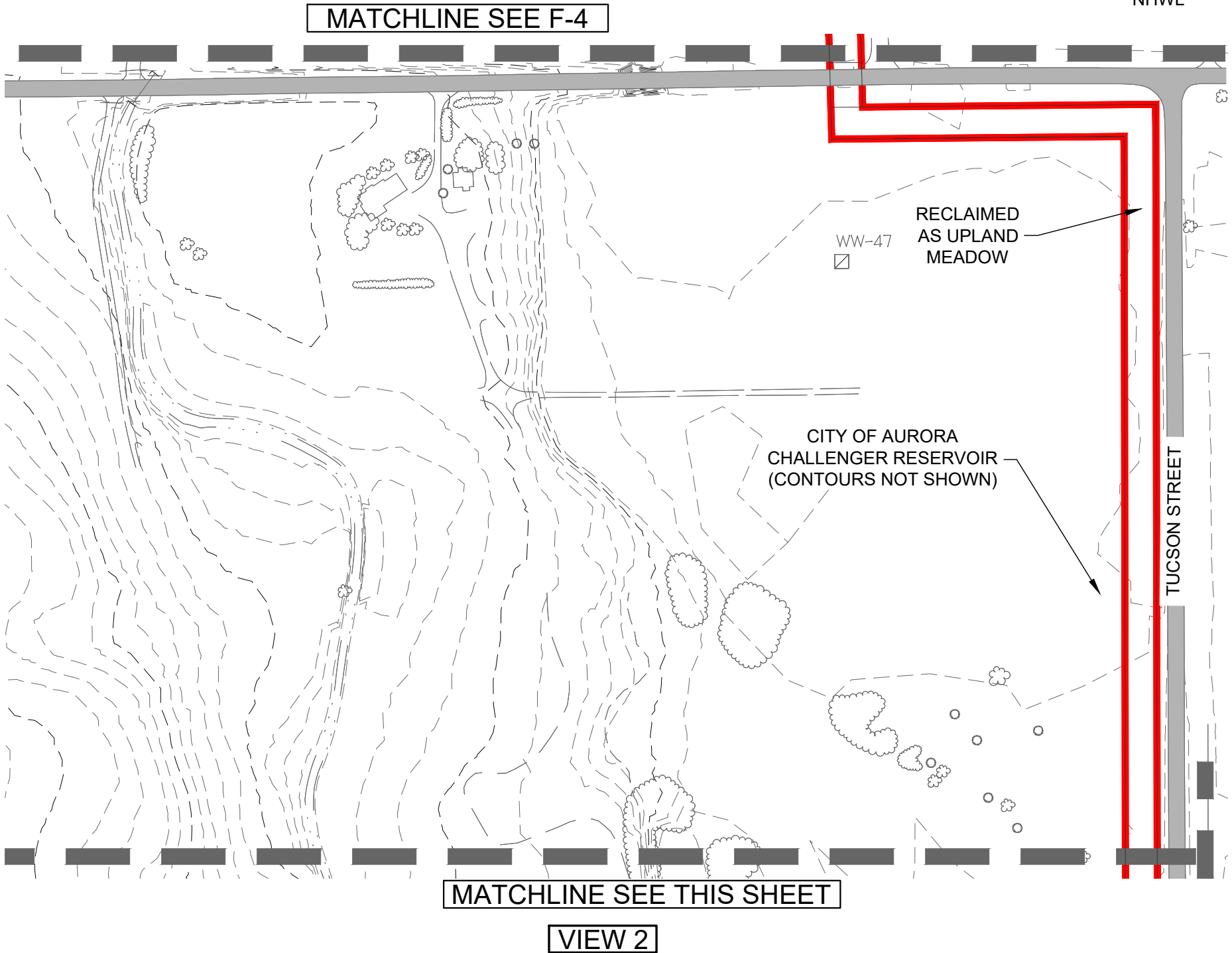
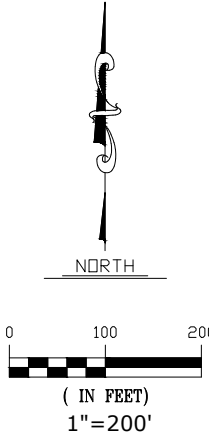
EXHIBIT F WEST
AREA RECLAMATION
PLAN

SHEET:

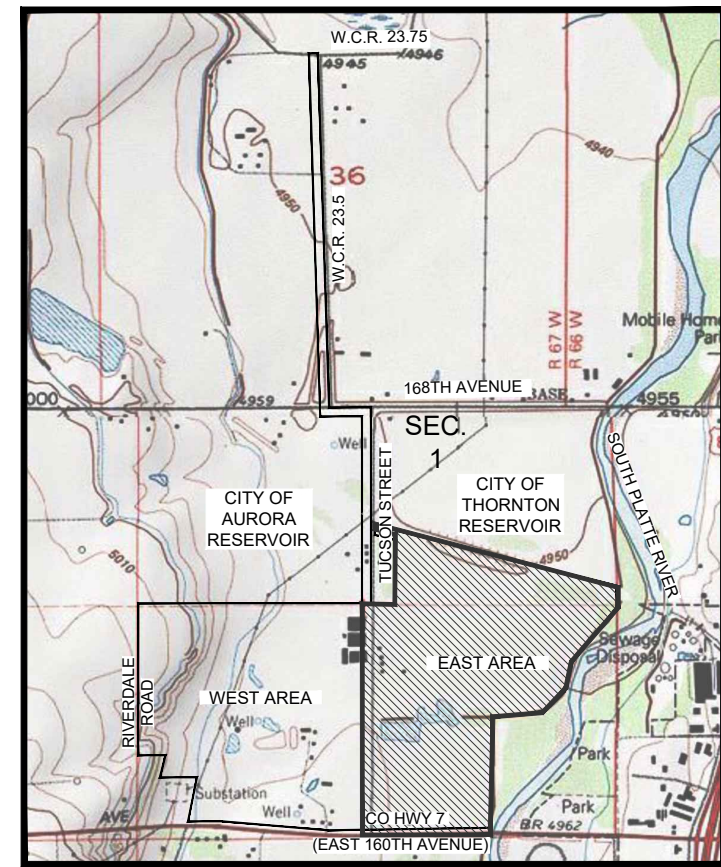
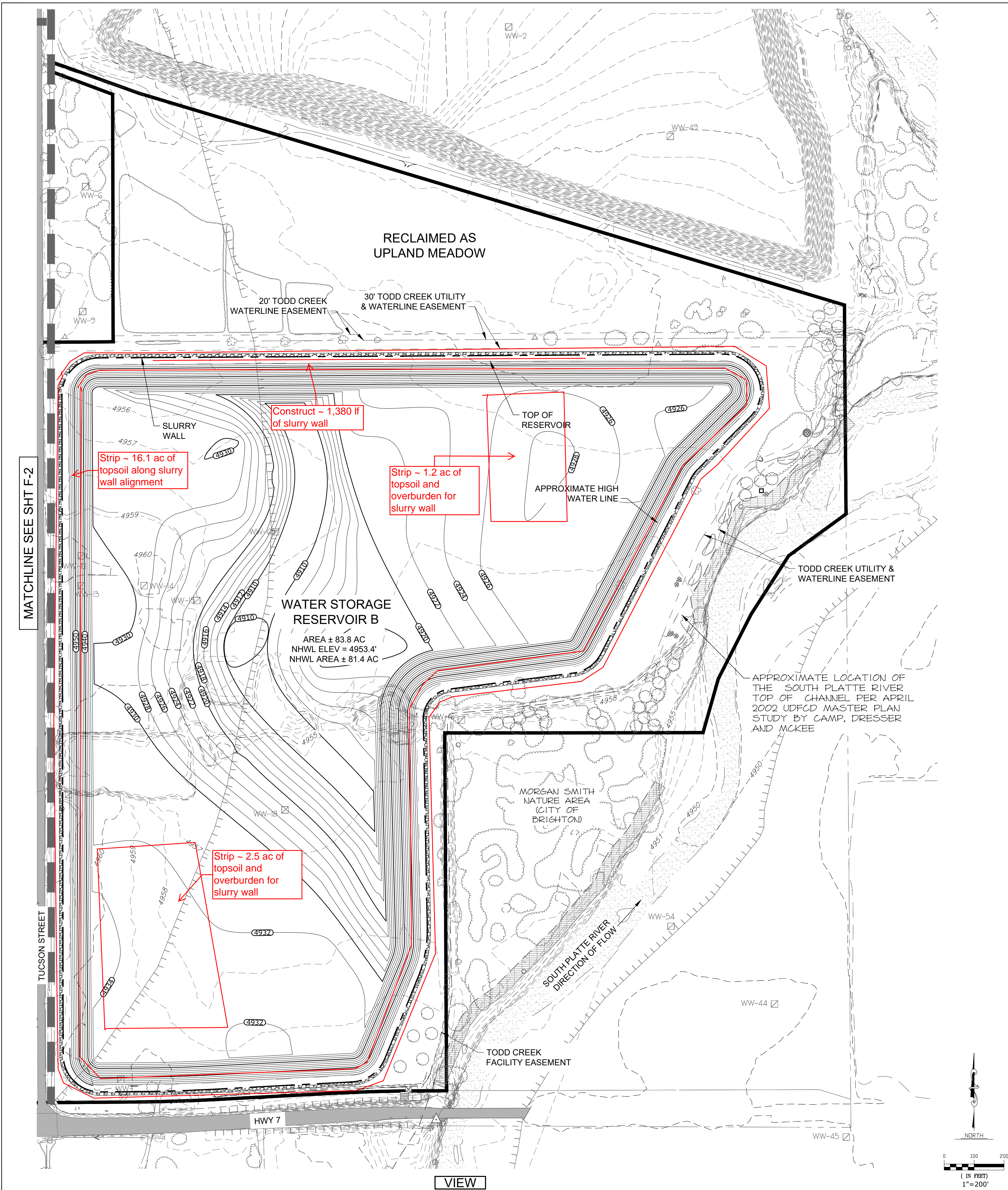
F-2



Know what's below.
Call before you dig.



J:\Aggregate Industries\2017\Tucson South Slurry Wall\Drawings\Reclamation\Reclamation Plan.dwg, 12/02/2021 09:14 AM



CERTIFICATION:

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EXHIBIT F EAST AREA
RECLAMATION PLAN

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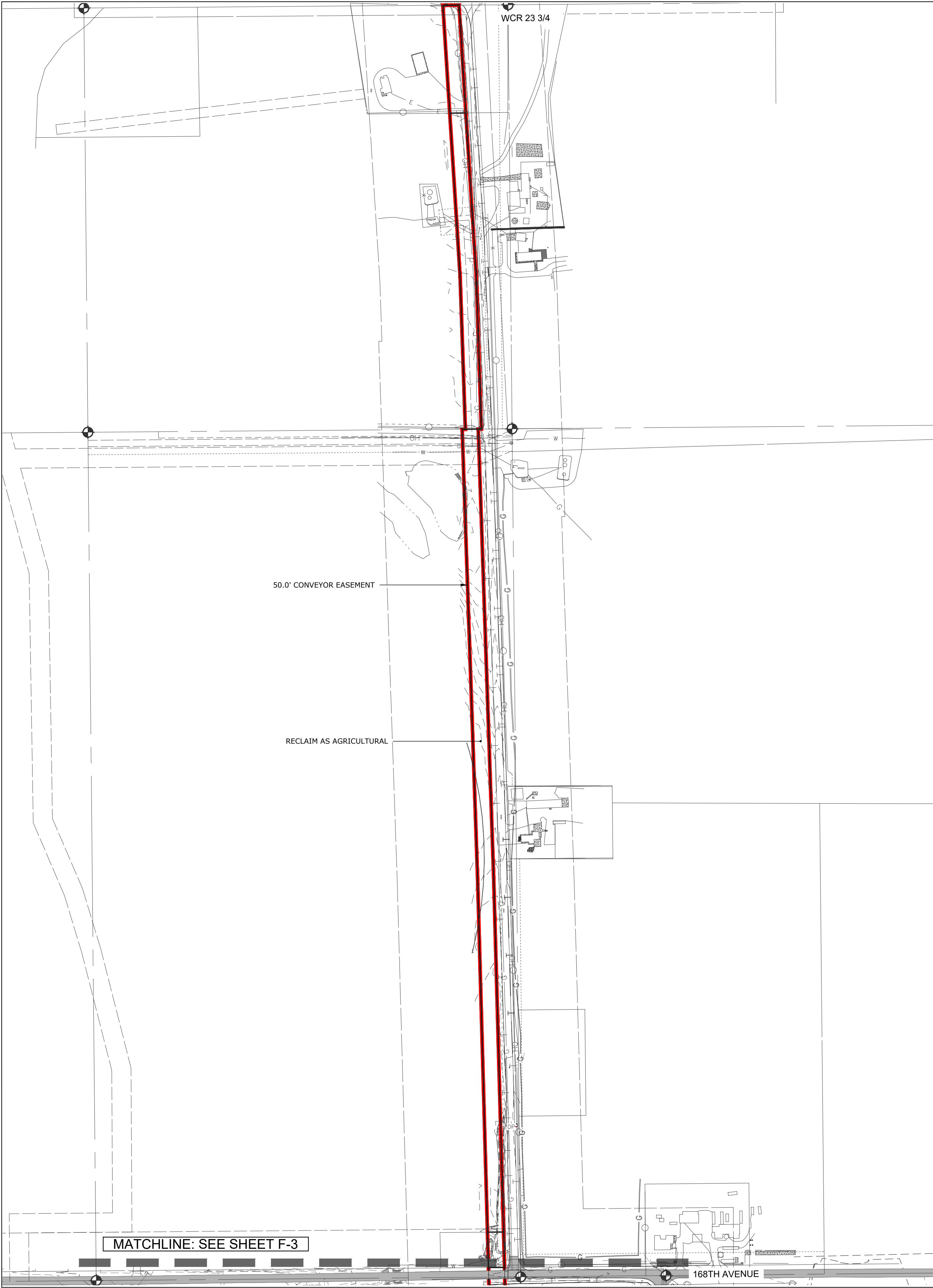
EXHIBIT F EAST
AREA RECLAMATION
PLAN

SHEET:

F-3



Know what's below.
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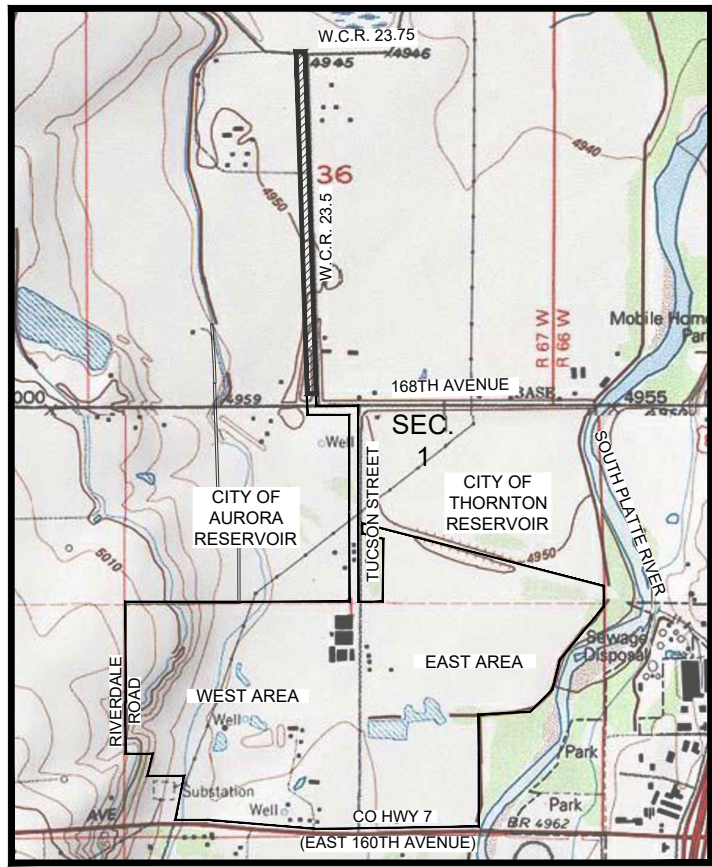
LEGEND:

- | | | |
|---|----|---------------------------------|
| MINE PERMIT BOUNDARY | OE | EXISTING OVERHEAD ELECTRIC LINE |
| TRACT BOUNDARY | G | EXISTING GAS LINE |
| EFFECTIVE FLOODWAY | W | EXISTING WATER LINE |
| EFFECTIVE ZONE AE | OT | EXISTING TELEPHONE LINE |
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| EXISTING EDGE OF WATER | | |
| EXISTING 2' CONTOURS | | |
| EXISTING FENCE | | |
| EXISTING EDGE OF ROAD | | |
| EXISTING ELECTRIC LINE | | |
- MONITORING WELL LOCATION WITH WELL ID #
WATER WELL LOCATION WITH WELL ID #
EXISTING TREES
UTILITY POLE
SECTION CORNER MONUMENT

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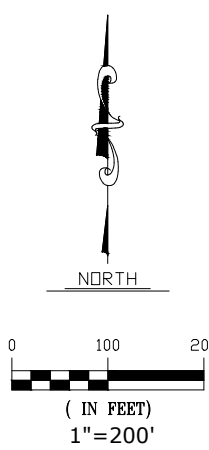
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DWG NAME: F-4.dwg

WELD COUNTY
CONVEYOR
RECLAMATION PLAN

SHEET:
F-4



MATCHLINE: SEE SHEET F-3

168TH AVENUE

WCR 23 3/4

50.0' CONVEYOR EASEMENT

RECLAIM AS AGRICULTURAL